



## SMC8724-10BT

24 port 10G Managed Switch with 20 10GBASE-T and 4 XFP ports

### OVERVIEW

The TigerSwitch 10G (SMC8724-10BT) is the newest generation of Ethernet Switches utilizing cutting edge technology to deliver high availability performance and density from a 10GBASE-T solution today. Featured with 20 ports of 10GBASE-T and the flexibility of 4 XFP ports for distance connections, the SMC8724-10BT enables Ethernet adoption across various LAN Applications including performance networking and storage, aggregation points, and Campus environments among other areas. The IEEE802.3an compliant switch delivers full 100m reach on all 20 ports, enabling the next generation datacenter to have the bandwidth of 10G with the flexibility of low Total Cost of Ownership available using a copper solution. The feature set includes industry standard features delivering a truly flexible solution when combined with SMC's 10G NIC family. Performance and ease of use are built into this solution and sets the standard for the market to follow.

### KEY FEATURES

#### 10GBASE-T support

The next generation networking solution delivering easy to install and flexible copper products up to 100m distance on Cat-6a installations.

#### LAN integration

The SMC8724-10BT ensures seamless LAN integration through the expansion of Ethernet throughout the network. SMC now empowers IT Departments with the use of Ethernet technology in areas never before thought possible. This simplifies training and technology familiarity and ensures a faster Return-On-Investment.

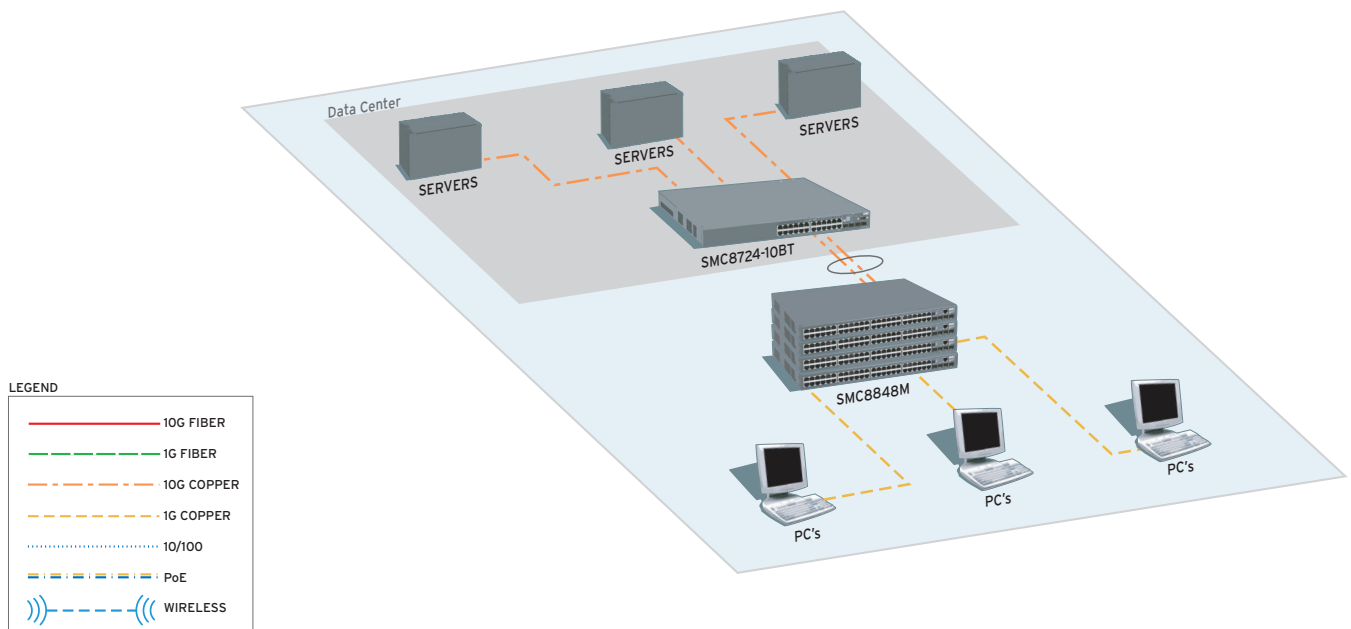
#### 24 port 10 Gigabit Ethernet Switch

With the need for highest performing networks companies of all sizes are trying reduce bottle necks. Moving to 10G Ethernet gives the next generation datacenter the freedom to perform without the possible bottle necks of previous solutions.

#### 10G over Copper

SMC's 10G Solution set includes 10G over Copper adapters and uplink modules for our Stackable Switch (SMC8848M), which ensures a complete networking set based on 10G over Copper. LAN simplification, ease of use, and high performance are the new standards in Networking.

### APPLICATION DIAGRAM



## TECH SPECS - SMC8724-10BT

### PORTS

- 20 RJ45 ports
- 4 XFP transceiver slots
- 1 RJ-45 Console port
- 1 Management port

### NETWORK INTERFACE

- 10GBASE-T ports
- XFP Transceiver slots supporting SR,LR, ER
- Multimode fiber cable; 62.5/125 or 50/125 microns
- Single mode fiber cable: 9/125 micron

### SWITCHING FABRIC

- 480Gbps
- 357Mpps

### LED

- System: Power
- Port: Enable, TX, RX

### TEMPERATURE

- Operating: 0 to 45 °C / 32 to 113 °F
- Storage: -40 to 70 °C / -40 to 158

### HUMIDITY

- Operating: 10% to 90% (non-condensing)

### WEIGHT

- 10Kg
- 22lbs

### DIMENSIONS

- 17 x 19.0 x 1.7in
- 43.18 x 48.26 x 4.32cm

### AC INPUT

- 2 x 300W

### POWER SUPPLY

- Internal, auto-ranging transformer: 100 to 240 VAC, 47 to 63Hz

### POWER CONSUMPTION

- 450W

### MTBF

- 8 Years
- Forwarding Mode
- Store-and-forward

### MANAGEMENT FEATURES

- In-Band Management
- Telnet, Web-based HTTP, or SNMP manager
- Out-of-Band Management
- RJ-45 console port
- Software Loading
- MIB Support
- MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-Like MIB (RFC 2665), Bridge MIB Extensions (RFC 2764), RMON MIB (RFC1757), RFC 2737, RFC 2742, RFC 2021, RFC2863, RFC 2618, SMC's private MIB

### SWITCH FEATURES

- Spanning Tree Protocol (802.1D, .1w.)
- VLAN Support
- Up to 255 groups; port-based or with 802.1Q
- VLAN tagging
- GVRP for automatic VLAN learning\*
- Quality of Service\*
- Supports 8 levels of priority with flexible classification and prioritization\*
- Per port bandwidth management\*
- MultiLink Trunking (LACP)
- 8 groups of up to 8 ports
- Port Mirroring
- L2/L3/L4 access control lists
- HTTPS and SSL
- SSH for Telnet sessions
- Jumbo Frame support
- Dual firmware images
- Multiple configuration files support

### RMON SUPPORT

- Groups 1,2,3, 9 (Statistics, History,Alarm, Event)

### STANDARDS

- IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet
- IEEE802.1D Spanning Tree Protocol and traffic priorities
- IEEE802.1p Priority tags
- IEEE802.1Q VLAN
- IEEE802.1ac VLAN tagging
- IEEE802.1ad Link aggregation control protocol
- IEEE802.1w Rapid Spanning Tree

### COMPLIANCES

- CE Mark

### EMISSIONS

- FCC Class A
- Industry Canada Class A
- EN55022 (CISPR 22) Class A
- EN 61000-3-2/3

### IMMUNITY

- EN 61000-4-2/3/4/5/6/8/11

### SAFETY

- UL / CUL (UL 60950-1, CSA 22.2 N060950-1)

### WARRANTY

- Limited lifetime

## SLIDE-IN TRANSCEIVERS FOR XFP PORTS

### SMC10GXFP-SR

- 10G SR XFP Transceiver, 300m, Multimode fiber

### SMC10GXFP-LR

- 10G LR XFP Transceiver, 10Km,Singlemode fiber

## SMC TigerCard™ 10GbE SERVER ADAPTERS

### SMC10GPCIe-10BT

- Industry's first fully IEEE 802.3an (10GBASE-T) compliant network server adapter
- RJ-45 interface
- PCI Express 1.1 x 8 bus interface
- Virtual NIC support
- iSCSI support
- Jumbo frame support

### SMC10GPCIe-XFP

- XFP module cage - IEEE 802.2ae compliant
- IEEE 802.3 10GBASE-SR/ LR compliant
- Only 7.5 Watts of power consumption in full traffic
- PCI Express 1.1 x 8 bus interface
- Virtual NIC support
- iSCSI support
- Jumbo frame support

\* Future release

## CONTACT

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